Performance Data Sheet

AHA2466AXD

General Information

Model	AHA2466AXD	**Refrigerant**	R-12
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	32.2°C (90°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	2860	2510	2240	2010	1780	1510	1160
	Watts	925	940	929	899	859	816	776
	Amps				8.64	11.9		15.6
	Lb/h	45.8	40.3	36.0	32.2	28.5	24.2	18.6
-35	Btu/h	3660	3310	3030	2790	2550	2260	1900
	Watts	1050	1080	1070	1050	1020	980	950
	Amps				6.82	16.2		16.8
	Lb/h	58.8	53.2	48.7	44.8	40.9	36.3	30.4
-30	Btu/h	4490	4130	3850	3590	3330	3030	2650
	Watts	1180	1210	1210	1190	1170	1140	1120
	Amps				4.11	19.2		15.7
	Lb/h	72.1	66.4	61.8	57.7	53.6	48.8	42.6
-25	Btu/h	5350	4990	4690	4430	4160	3840	3440
	Watts	1300	1330	1340	1330	1320	1300	1290
	Amps				1.17	21.4		13.1
	Lb/h	86.0	80.2	75.5	71.2	66.9	61.8	55.3
-20	Btu/h	6250	5890	5580	5310	5020	4690	4270
	Watts	1420	1460	1480	1470	1470	1460	1450
	Amps					23.7	0.79	9.59
	Lb/h	101	94.7	89.9	85.5	80.9	75.5	68.8
-15	Btu/h	7220	6850	6530	6250	5950	5600	5160
	Watts	1540	1590	1610	1610	1610	1610	1620
	Amps					26.7	2.96	5.87
	Lb/h	116	110	105	101	95.9	90.3	83.2
-10	Btu/h	8250	7870	7550	7260	6940	6580	6120
	Watts	1660	1710	1740	1760	1760	1770	1790
	Amps					31.0	6.03	2.61
	Lb/h	133	127	122	117	112	106	98.8
-5	Btu/h	9370	8980	8650	8340	8020	7640	7160
	Watts	1790	1840	1880	1900	1920	1930	1960
	Amps				0.58	37.3	10.7	0.48
	Lb/h	151	145	140	135	130	123	116

0	Btu/h	10600	10200	9850	9530	9190	8790	8300
	Watts	1910	1980	2020	2050	2070	2100	2130
	Amps				6.57	46.3	17.5	0.13
	Lb/h	171	165	159	154	149	142	134
5	Btu/h	11900	11500	11200	10800	10500	10000	9540
	Watts	2040	2110	2160	2200	2230	2270	2310
	Amps				16.3	58.6	27.3	2.25
	Lb/h	193	186	181	175	170	163	155
10	Btu/h	13300	12900	12600	12200	11900	11400	10900
	Watts	2180	2260	2310	2360	2400	2450	2500
	Amps				30.6	74.9	40.7	7.49
	Lb/h	216	210	204	198	192	185	177

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.022412E+04	-2.315197E+02	-2.774390E+04	3.250916E+02
C2	2.465737E+02	2.003358E+01	-7.196395E+01	4.031862E+00
C3	-2.376565E+02	5.398519E+01	6.552686E+02	-3.796344E+00
C4	2.168752E+00	7.458429E-02	1.732219E-01	3.678417E-02
C5	2.672821E-01	1.650900E-02	1.230081E+00	4.498766E-03
C6	1.964104E+00	-4.399025E-01	-5.125028E+00	3.139869E-02
C7	1.624999E-02	1.750000E-03	8.915128E-04	2.749832E-04
C8	-4.166912E-04	2.499923E-04	-8.858305E-04	-8.894881E-06
C9	-2.403747E-03	6.731936E-04	-5.106775E-03	-4.022820E-05
C10	-6.250426E-03	1.250001E-03	1.328607E-02	-1.001286E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature